

Appendix A**A Source Code Compendium of System Accessible COIGN Definitions**

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////////////////////////////////////
//
//      Module:          coign
//      File:           coign.h
//      Author:         Galen C. Hunt
//      Copyright:      1996-1998
//      Abstract:       System accessible Coign definitions.
//
#pragma once
#ifndef _COIGN_H_
#define _COIGN_H_

#define NODEBUG

////////////////////////////////////
//
#include <objbase.h>
#include <objidl.h>
#include <ocidl.h>
#include <oleidl.h>
#include "coignidl.h"
#ifdef INITGUID
#include "coignidl_i.c"
#endif

#include "coignusr.h"

//////////////////////////////////// .coign Section Header.
//
#pragma pack(push, 16)

struct CCoignPayloadHeader
{
    ULONG          dwFlags;
    CLSID          LoggerClsid;
    CLSID          InformerClsid;
    CLSID          ClassifierClsid;
    CLSID          OtherClsid;
};

#pragma pack(pop)

////////////////////////////////////
//
DEFINE_GUID(CLSID_CoignNull,

    0x00000000, 0x0000, 0x0000, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00);

DEFINE_GUID(GUID_CoignPayloadHeader,                // Payload
Header
    0x9ceeb00f, 0xe415, 0x11d0, 0x98, 0xd1, 0x00, 0x60, 0x97, 0xb0, 0x10, 0xe3);
DEFINE_GUID(CLSID_CoignLoggerNull,                  // Null Logger

```



Appendix A

```
0x9ceeb014,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_CoignLoggerEvent,                                // Event
Logger

0x9ceeb015,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_CoignLoggerProfile,                             // Profile
Logger

0x9ceeb016,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);

DEFINE_GUID(CLSID_CoignInformerNull,                             // Null
Informer

0x9ceeb018,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_CoignInformerNdr,                               // NDR
Informer

0x9ceeb019,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_CoignInformerRegistry,                         // Register-based
Informer

0x9ceeb01a,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);

DEFINE_GUID(CLSID_CoignClassifierNull,                           // Null
Classifier

0x9ceeb01c,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_CoignClassifierClsid,                           // CLSID Classifier

0x9ceeb01d,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_CoignClassifierClsidFunc,                       // CLSID-Function
Classifier

0x9ceeb01e,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_CoignClassifierStack,                           // Stack Classifier

0x9ceeb01f,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_CoignClassifierObjectStack,                     // Object-Stack
Classifier

0x9ceeb020,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_CoignClassifierLog,                             // Logging
Classifier

0x9ceeb021,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_CoignClassifierEP3C,                           // EP3C
Classifier

0x9ceeb022,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_CoignClassifierI3C,                             // I3C
Classifier

0x9ceeb023,0xe415,0x11d0,0x98,0xd1,0x00,0x60,0x97,0xb0,0x10,0xe3);
DEFINE_GUID(CLSID_CoignClassifierIncremental,                     // Incremental
Classifier
```

Appendix A

```

0x9ceeb024, 0xe415, 0x11d0, 0x98, 0xd1, 0x00, 0x60, 0x97, 0xb0, 0x10, 0xe3);

DEFINE_GUID(CLSID_CoignClassificationDepth,                                //
Classification Depth

0x9ceeb02f, 0xe415, 0x11d0, 0x98, 0xd1, 0x00, 0x60, 0x97, 0xb0, 0x10, 0xe3);

DEFINE_GUID(CLSID_CoignObjectPartition,                                // Partition
Assignments

0x9ceeb030, 0xe415, 0x11d0, 0x98, 0xd1, 0x00, 0x60, 0x97, 0xb0, 0x10, 0xe3);

DEFINE_GUID(CLSID_CoignRemoteHost,

0x9ceeb050, 0xe415, 0x11d0, 0x98, 0xd1, 0x00, 0x60, 0x97, 0xb0, 0x10, 0xe3);
DEFINE_GUID(CLSID_CoignLocalHost,

0x9ceeb051, 0xe415, 0x11d0, 0x98, 0xd1, 0x00, 0x60, 0x97, 0xb0, 0x10, 0xe3);

DEFINE_GUID(CLSID_CoignSystem,

0x9ceeb040, 0xe415, 0x11d0, 0x98, 0xd1, 0x00, 0x60, 0x97, 0xb0, 0x10, 0xe3);
DEFINE_GUID(CLSID_CoignApplication,

0x9ceeb041, 0xe415, 0x11d0, 0x98, 0xd1, 0x00, 0x60, 0x97, 0xb0, 0x10, 0xe3);
DEFINE_GUID(CLSID_CoignChannelHookExtension,

0x9ceeb042, 0xe415, 0x11d0, 0x98, 0xd1, 0x00, 0x60, 0x97, 0xb0, 0x10, 0xe3);

DEFINE_OLEGUID(IID_IStdIdentity, 0x00000001bL, 0, 0);

DEFINE_GUID(IID_IRpcChannelBuffer2,

0x594f31d0, 0x7f19, 0x11d0, 0xb1, 0x94, 0x00, 0xa0, 0xc9, 0x0d, 0xc8, 0xbf);

DEFINE_GUID(CLSID_StgDocFile,

0xbeef0001, 0xe912, 0x11d1, 0xb6, 0xcc, 0x00, 0x60, 0x97, 0xb0, 0x10, 0xe3);
DEFINE_GUID(CLSID_DataAdviseHolder,

0xbeef0002, 0xe912, 0x11d1, 0xb6, 0xcc, 0x00, 0x60, 0x97, 0xb0, 0x10, 0xe3);

////////////////////////////////////
//
enum {
    COIGN_FLAG_IS_REMOTE_SURROGATE                = 0x80000000,    //
coignrem.exe

    COIGN_FLAG_RI_FLAG_IN                        = 0x8000,        // Input
Parameter
    COIGN_FLAG_RI_FLAG_OUT                      = 0x4000,        // Output
Parameter
    COIGN_FLAG_RI_FLAG_CONSTANT                 = 0x2000,        // Constant
IID Interface
    COIGN_FLAG_RI_FLAG_DEREFERENCE              = 0x1000,        // Ptr to
Interface Ptr

```

Appendix A

```

        COIGN_FLAG_RI_FLAG_OFFSET                = 0x0fff,           // Offset Mask

        COIGN_FLAG_CLASSIFIER_FLAG_APP            = 0,
        COIGN_FLAG_CLASSIFIER_FLAG_SYS            = 1,
        COIGN_FLAG_CLASSIFIER_FLAG_ROT            = 2,
        COIGN_FLAG_CLASSIFIER_FLAG_UNK            = 3,
        COIGN_FLAG_CLASSIFIER_FLAG_NONE           = 4,
        COIGN_FLAG_CLASSIFIER_FLAG_BASE           = 5,
};

enum {
        COIGN_HOST_LOCAL                = 0,           // Anynode (here)
        COIGN_HOST_CLIENT                = 1,           // Home node.
        COIGN_HOST_SERVER                = 2,           // Other Node.
        COIGN_HOST_LAST                  = 8,           // Max Node.
};

////////////////////////////////////
//
#define S_COIGN_CREATED                ((HRESULT)0x00000010L)
#define S_COIGN_EXISTED                ((HRESULT)0x00000011L)
#define S_COIGN_SIZE_REMOTE            ((HRESULT)0x00000100L)
#define E_COIGN_IDL_REF_NULL           ((HRESULT)0x800706f4L)

//////////////////////////////////// Assertion Handling.
//
#ifndef _DEFINED_ASMBREAK_
#define _DEFINED_ASMBREAK_
#define ASMBREAK() __asm { int 3 }
// #define ASMBREAK() DebugBreak()
#endif // _DEFINED_ASMBREAK_

#ifndef NODEBUG
#undef ASSERT
VOID CoignAssertMessage(CONST PCHAR szMsg, CONST PCHAR szFile, ULONG nLine);
#define ASSERT(x) \
do { if (!(x)) { CoignAssertMessage(#x, __FILE__, __LINE__); ASMBREAK(); }}
while (0)
;
#undef ASSERTX
#define ASSERTX(x) \
do { if (!(x)) { CoignAssertMessage(#x, __FILE__, __LINE__); PCHAR p=(PCHAR)(x);
*p = 1; }} while (0)
;
#else // NODEBUG
#undef ASSERT
#define ASSERT(x)
#undef ASSERTX
#define ASSERTX(x)
#endif // NODEBUG

////////////////////////////////////
#ifndef _DEFINED_LOADCYCLECOUNTER_
#define _DEFINED_LOADCYCLECOUNTER_
#define CoignLoadCycleCount(x) \
__asm { \

```

Appendix A

```

    __asm lea    ecx, x                \
    __asm      _emit 0x0f              \
    __asm      _emit 0x31              \
    __asm mov   [ecx], eax             \
    __asm mov   [ecx+4], edx           \
}
#endif // _DEFINED_LOADCYCLECOUNTER_

#define arrayof(x)      (sizeof(x)/sizeof(x[0]))
#define wcszsize(x)     ((wcslen(x) + 1) * sizeof(WCHAR))
#define strsize(x)      ((strlen(x) + 1) * sizeof(CHAR))

//////////////////// Functions.
//
STDAPI CoignEnableRecord(void);
STDAPI CoignDisableRecord(void);
STDAPI CoignTestRecord(void);
STDAPI CoignEnableDebug(void);
STDAPI CoignDisableDebug(void);
STDAPI CoignTestDebug(void);
STDAPI CoignReset(void);
STDAPI CoignFlush(void);
STDAPI CoignDisableTryCatch(VOID);
STDAPI CoignEnableTryCatch(VOID);

STDAPI CoignSetOption(PWCHAR pwzOption, PWCHAR pwzValue);
STDAPI CoignUnwrapInterface(IUnknown *punkSrc, IUnknown **ppunkDst);
STDAPI CoignGetRawInterface(IUnknown *punkSrc, IUnknown **ppunkDst);
STDAPI_(PVOID) CoignToRawInterface(PVOID);
STDAPI_(PVOID) CoignWrapInterface(PVOID);
STDAPI CoignClientComponent(IUnknown *punk);
STDAPI CoignServerComponent(IUnknown *punk);
STDAPI CoignMessage(PCSTR msg, ...);

STDAPI CoignNull(void);
STDAPI CoignTerminate(HINSTANCE hInst);
STDAPI CoignMessageWrite(PBYTE pbData, ULONG cbData);
STDAPI CoignLog(PCSTR msg, ...);
STDAPI CoignLogWrite(PBYTE pbData, ULONG cbData);

STDAPI CoignInternalCodeAdd(PVOID pv);
STDAPI CoignInternalCodeRemove(PVOID pv);
STDAPI CoignInternalCodeFind(PVOID pv);
STDAPI CoignInternalCodeFindRegion(PVOID pv, PVOID *ppBeg, PVOID *ppEnd);
STDAPI CoignSystemCodeAdd(PVOID pv);
STDAPI CoignSystemCodeRemove(PVOID pv);
STDAPI CoignSystemCodeFind(PVOID pv);
STDAPI CoignSystemCodeFindRegion(PVOID pv, PVOID *ppBeg, PVOID *ppEnd);
STDAPI CoignFindExtraData(REFCLSID rclsid, PBYTE *ppbData, ULONG *pcbData);

STDAPI CoignSelectQueryInterface(DWORD dwCount, MULTI_QI *pResults,
                                  REFIID riid, void **ppv);

STDAPI CoignConnectServer(OLECHAR *pwszHostName /*[in]*/, ULONG *pnHostId);
STDAPI CoignFindFactory(ULONG nHostId, ICoignFactory **ppFactory);
STDAPI CoignNotifyOnClose(HRESULT (*pfnNotifyCallback)(VOID));

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Appendix A

```

STDAPI CoignGetLogger(ICoignLogger **ppLogger);
STDAPI CoignGetInformer(ICoignInterfaceInformer **ppInformer);
STDAPI CoignGetClassifier(ICoignObjectClassifier **ppClassifier);

STDAPI CoignDumpStack(void);
STDAPI CoignGetProcessorCycles(LONGLONG *pllCycles);

////////////////////////////////////
//
STDAPI Coign_DllGetClassObject(REFCLSID rclsidReal,
                               IUnknown * (*pfNew)(VOID),
                               PLONG pnLock,
                               REFCLSID rclsidWanted,
                               REFIID riid,
                               LPVOID *ppv);
STDAPI Coign_DllRegisterServer(REFCLSID clsid,
                               HINSTANCE hInst,
                               PWCHAR pwzDescription);
STDAPI Coign_DllUnregisterServer(REFCLSID clsid);

//////////////////////////////////// Rerouting.
//
STDAPI Coign_CoInitialize(LPVOID pvReserved);
STDAPI Coign_CoInitializeEx(LPVOID pvReserved,
                             DWORD dwCoInit);

STDAPI Coign_CoMarshalInterface(LPSTREAM pStm,
                                REFIID riid,
                                LPUNKNOWN pUnk,
                                DWORD dwDestContext,
                                LPVOID pvDestContext,
                                DWORD mshlflags);
STDAPI Coign_CoUnmarshalInterface(LPSTREAM pStm,
                                   REFIID riid,
                                   LPVOID FAR* ppv);

STDAPI Coign_CoGetClassObject(REFCLSID rclsid,
                               DWORD dwClsContext,
                               PVOID pvReserved,
                               REFIID riid,
                               PVOID *ppv);
STDAPI Coign_CoCreateInstance(REFCLSID rclsid,
                              LPUNKNOWN punkOuter,
                              DWORD dwClsContext,
                              REFIID riid,
                              PVOID *ppv);
STDAPI Coign_CoGetInstanceFromFile(COSERVERINFO *pServerInfo,
                                    CLSID *pClsid,
                                    IUnknown *punkOuter,
                                    DWORD dwClsCtx,
                                    DWORD grfMode,
                                    const OLECHAR *pwszName,
                                    DWORD dwCount,
                                    MULTI_QI *pResults);
STDAPI Coign_CoGetInstanceFromIStorage(COSERVERINFO *pServerInfo,
                                        CLSID *pClsid,
                                        IUnknown *punkOuter,

```

Appendix A

```

                                DWORD dwClsCtx,
                                IStorage *pstg,
                                DWORD dwCount,
                                MULTI_QI *pResults);

STDAPI Coign_CoCreateInstanceEx(REFCLSID Clsid,
                                IUnknown *punkOuter,
                                DWORD dwClsCtx,
                                COSERVERINFO *pServerInfo,
                                DWORD dwCount,
                                MULTI_QI *pResults);

STDAPI Coign_StgCreateDocfile(const OLECHAR *pwcsName,
                                DWORD grfMode,
                                DWORD reserved,
                                IStorage **ppstgOpen);

STDAPI Coign_OleCreate(REFCLSID rclsid,
                        REFIID riid,
                        DWORD renderopt,
                        FORMATETC *pFormatEtc,
                        IOleClientSite *pClientSite,
                        IStorage *pstg,
                        void **ppv);

STDAPI Coign_OleCreateFromData(LPDATAOBJECT pSrcDataObj,
                                REFIID riid,
                                DWORD renderopt,
                                LPFORMATETC pFormatEtc,
                                LPOLECLIENTSITE pClientSite,
                                LPSTORAGE pstg,
                                PVOID *ppv);

STDAPI Coign_OleLoad(IStorage *pstg,
                        REFIID riid,
                        IOleClientSite *pClientSite,
                        PVOID *ppv);

STDAPI Coign_CoRegisterClassObject(REFCLSID rclsid,
                                    LPUNKNOWN pUnk,
                                    DWORD dwClsContext,
                                    DWORD flags,
                                    LPDWORD lpdwRegister);

STDAPI Coign_CoRevokeClassObject(DWORD dwRegister);
STDAPI Coign_StgCreateDocfileOnILockBytes(ILockBytes *plkbyt,
                                            DWORD grfMode,
                                            DWORD reserved,
                                            IStorage
**ppstgOpen);

STDAPI Coign_StgOpenStorage(const OLECHAR *pwcsName,
                            IStorage *pstgPriority,
                            DWORD grfMode,
                            SNB snbExclude,
                            DWORD reserved,
                            IStorage **ppstgOpen);

STDAPI Coign_StgOpenStorageOnILockBytes(ILockBytes *plkbyt,
                                        IStorage
**ppstgPriority,
                                        DWORD grfMode,
                                        SNB snbExclude,
                                        DWORD reserved,
                                        IStorage
**ppstgOpen);

```

Appendix A

```

STDAPI Coign_StgOpenAsyncDocfileOnIFillLockBytes(IFillLockBytes *pflb,
                                                    DWORD
grfMode,
                                                    DWORD
asyncFlags,

IStorage **ppstgOpen);
STDAPI Coign_StgGetIFillLockBytesOnILockBytes(ILockBytes *pilb,
IFillLockBytes **ppflb);
STDAPI Coign_StgGetIFillLockBytesOnFile(const OLECHAR *pwcsName,
                                           IFillLockBytes
**ppflb);
STDAPI Coign_BindMoniker(LPMONIKER pmk,
                        DWORD grfOpt,
                        REFIID riid,
                        PVOID *ppvResult);
STDAPI Coign_CoGetObject(LPCWSTR pszName,
                        BIND_OPTS *pBindOptions,
                        REFIID riid,
                        void **ppv);
STDAPI Coign_MkParseDisplayName(LPBC pbc,
                                LPCOLESTR szUserName,
                                ULONG *pchEaten,
                                LPMONIKER *ppmk);
STDAPI Coign_MonikerRelativePathTo(LPMONIKER pmkSrc,
                                    LPMONIKER pmkDest,
                                    LPMONIKER *ppmk,
                                    BOOLEAN dwReserved);
STDAPI Coign_MonikerCommonPrefixWith(LPMONIKER pmkThis,
                                       LPMONIKER pmkOther,
                                       LPMONIKER *ppmk);
STDAPI Coign_CreateBindCtx(DWORD reserved,
                           LPBC *ppbc);
STDAPI Coign_CreateGenericComposite(LPMONIKER pmkFirst,
                                     LPMONIKER pmkRest,
                                     LPMONIKER *ppmk);
STDAPI Coign_CreateClassMoniker(REFCLSID rclsid,
                                LPMONIKER *ppmk);
STDAPI Coign_CreateFileMoniker(LPCOLESTR lpszPathName,
                                LPMONIKER *ppmk);
STDAPI Coign_CreateItemMoniker(LPCOLESTR lpszDelim,
                                LPCOLESTR lpszItem,
                                LPMONIKER *ppmk);
STDAPI Coign_CreateAntiMoniker(LPMONIKER *ppmk);
STDAPI Coign_CreatePointerMoniker(LPUNKNOWN punk,
                                   LPMONIKER *ppmk);
STDAPI Coign_GetRunningObjectTable(DWORD reserved,
                                    LPRUNNINGOBJECTTABLE *pprot);
STDAPI Coign_CreateDataAdviseHolder(LPDATAADVISEHOLDER* ppDAHolder);
STDAPI Coign_OleCreateEx(REFCLSID rclsid,
                        REFIID riid,
                        DWORD dwFlags,
                        DWORD renderopt,
                        ULONG cFormats,
                        DWORD* rgAdvf,
                        LPFORMATETC rgFormatEtc,

```

Appendix A

```

        IAdviseSink* lpAdviseSink,
        DWORD* rgdwConnection,
        LPOLECLIENTSITE pClientSite,
        LPSTORAGE pStg,
        PVOID* ppv);
STDAPI Coign_OleCreateFromDataEx(LPDATAOBJECT pSrcDataObj,
                                REFIID riid,
                                DWORD dwFlags,
                                DWORD renderopt,
                                ULONG cFormats,
                                DWORD* rgAdvf,
                                LPFORMATETC rgFormatEtc,
                                IAdviseSink* lpAdviseSink,
                                DWORD* rgdwConnection,
                                LPOLECLIENTSITE pClientSite,
                                LPSTORAGE pStg,
                                PVOID* ppv);
STDAPI Coign_OleCreateLinkFromData(LPDATAOBJECT pSrcDataObj,
                                    REFIID riid,
                                    DWORD renderopt,
                                    LPFORMATETC pFormatEtc,
                                    LPOLECLIENTSITE pClientSite,
                                    LPSTORAGE pStg,
                                    PVOID* ppv);
STDAPI Coign_OleCreateLinkFromDataEx(LPDATAOBJECT pSrcDataObj,
                                      REFIID riid,
                                      DWORD dwFlags,
                                      DWORD renderopt,
                                      ULONG cFormats,
                                      DWORD* rgAdvf,
                                      LPFORMATETC rgFormatEtc,
                                      IAdviseSink*
lpAdviseSink,
                                      DWORD* rgdwConnection,
                                      LPOLECLIENTSITE
pClientSite,
                                      LPSTORAGE pStg,
                                      PVOID* ppv);
STDAPI Coign_OleCreateStaticFromData(LPDATAOBJECT pSrcDataObj,
                                      REFIID riid,
                                      DWORD renderopt,
                                      LPFORMATETC pFormatEtc,
                                      LPOLECLIENTSITE
pClientSite,
                                      LPSTORAGE pStg,
                                      PVOID* ppv);
STDAPI Coign_OleCreateLink(LPMONIKER pmkLinkSrc,
                            REFIID riid,
                            DWORD renderopt,
                            LPFORMATETC lpFormatEtc,
                            LPOLECLIENTSITE pClientSite,
                            LPSTORAGE pStg,
                            PVOID* ppv);
STDAPI Coign_OleCreateLinkEx(LPMONIKER pmkLinkSrc,
                              REFIID riid,
                              DWORD dwFlags,
                              DWORD renderopt,

```

Appendix A

```

        ULONG cFormats,
        DWORD* rgAdvf,
        LPFORMATETC rgFormatEtc,
        IAdviseSink* lpAdviseSink,
        DWORD* rgdwConnection,
        LPOLECLIENTSITE pClientSite,
        LPSTORAGE pStg,
        PVOID* ppv);
STDAPI Coign_OleCreateLinkToFile(LPCOLESTR lpszFileName,
        REFIID riid,
        DWORD renderopt,
        LPFORMATETC lpFormatEtc,
        LPOLECLIENTSITE pClientSite,
        LPSTORAGE pStg,
        PVOID* ppv);
STDAPI Coign_OleCreateLinkToFileEx(LPCOLESTR lpszFileName,
        REFIID riid,
        DWORD dwFlags,
        DWORD renderopt,
        ULONG cFormats,
        DWORD* rgAdvf,
        LPFORMATETC rgFormatEtc,
        IAdviseSink* lpAdviseSink,
        DWORD* rgdwConnection,
        LPOLECLIENTSITE pClientSite,
        LPSTORAGE pStg,
        PVOID* ppv);
STDAPI Coign_OleCreateFromFile(REFCLSID rclsid,
        LPCOLESTR lpszFileName,
        REFIID riid,
        DWORD renderopt,
        LPFORMATETC lpFormatEtc,
        LPOLECLIENTSITE pClientSite,
        LPSTORAGE pStg,
        PVOID* ppv);
STDAPI Coign_OleCreateFromFileEx(REFCLSID rclsid,
        LPCOLESTR lpszFileName,
        REFIID riid,
        DWORD dwFlags,
        DWORD renderopt,
        ULONG cFormats,
        DWORD* rgAdvf,
        LPFORMATETC rgFormatEtc,
        IAdviseSink* lpAdviseSink,
        DWORD* rgdwConnection,
        LPOLECLIENTSITE pClientSite,
        LPSTORAGE pStg,
        PVOID* ppv);
STDAPI Coign_OleLoadFromStream(LPSTREAM pStm,
        REFIID riid,
        PVOID* ppv);
STDAPI Coign_OleGetClipboard(LPDATAOBJECT* ppDataObj);
STDAPI Coign_CreateOleAdviseHolder(LPOLEADVISEHOLDER* ppOAHolder);
STDAPI Coign_OleCreateDefaultHandler(REFCLSID clsid,
        LPUNKNOWN pUnkOuter,
        REFIID riid,
        PVOID* ppObj);

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Appendix A

```

STDAPI Coign_OleCreateEmbeddingHelper(REFCLSID clsid,
                                       LPUNKNOWN pUnkOuter,
                                       DWORD flags,
                                       LPCLASSFACTORY pCF,
                                       REFIID riid,
                                       PVOID* ppObj);

STDAPI Coign_OleRegEnumFormatEtc(REFCLSID clsid,
                                  DWORD dwDirection,
                                  LPENUMFORMATETC* ppenum);

STDAPI Coign_OleRegEnumVerbs(REFCLSID clsid,
                              LPENUMOLEVERB* ppenum);

STDAPI Coign_OleCreateFontIndirect(LPFONTDESC lpFontDesc,
                                    REFIID riid,
                                    PVOID* ppv);

STDAPI Coign_OleCreatePictureIndirect(LPPICTDESC lpPictDesc,
                                       REFIID riid,
                                       BOOLEAN fOwn,
                                       PVOID* ppv);

STDAPI Coign_OleLoadPicture(LPSTREAM lpstream,
                             LONG lSize,
                             BOOLEAN fRunmode,
                             REFIID riid,
                             PVOID* ppv);

STDAPI Coign_OleLoadPictureFile(VARIANT varFileName,
                                 LPDISPATCH* ppdispPicture);

STDAPI Coign_CreateStreamOnHGlobal(HGLOBAL hGlobal,
                                    BOOLEAN fDeleteOnRelease,
                                    LPSTREAM *ppStm);

//////////////////////////////////// End of File.
#endif      // _COIGN_H_

```